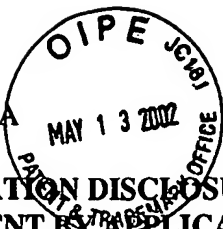


Form PTO-1449 (modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET NUMBER (OPTIONAL) ROC920010203US1		APPLICATION NUMBER 10/004,373	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT GOETZINGER et al.			
				FILING DATE November 1, 2001		GROUP ART UNIT	
RECEIVED FEB 01 2002 Technology Center 2600							
U.S. PATENT DOCUMENTS							
Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
BSR	AN	U.S. patent application Serial Number 10/002,416, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING QUALITY OF SERVICE WITH AGING TIME STAMPS"					
	AO	U.S. patent application Serial Number 10/004,440, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING QUALITY OF SERVICE WITH CACHED STATUS ARRAY"					
	AP	U.S. patent application Serial Number 10/004,217, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "QoS SCHEDULER AND METHOD FOR IMPLEMENTING QUALITY OF SERVICE ANTICIPATING THE END OF A CHAIN OF FLOWS"					
	AQ	U.S. patent application Serial Number 10/016,518, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE HAVING EXTENDED EFFECTIVE RANGE"					
	AR	U.S. patent application Serial Number 10/015,994, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE SERVING PLURAL OUTPUT PORTS"					
	AS	U.S. patent application Serial Number 10/015,760, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "WEIGHTED FAIR QUEUE HAVING ADJUSTABLE SCALING FACTOR"					
BSR	AT	U.S. patent application Serial Number 10/002,085, filed November 1, 2001, by William John Goetzinger, Glen Howard Handlogten, James Francis Mikos, and David Alan Norgaard entitled "EMPTY INDICATORS FOR WEIGHTED FAIR QUEUES"					
EXAMINER Brian Robert				DATE CONSIDERED 06/28/05			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 1 of 4

Application Number.: 10/004,373  
 Filing Date: November 1, 2001  
 First Named Inventor: William Goetzinger  
 Art Unit: 2661  
 Examiner Name: Unassigned  
 Attorney Docket Number.: ROC920010203US1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
BSR	AA	US -5249184A	09/28/1993	Karen L. Woeste et al	
	AB	US -5548590A	08/20/1996	Robert H. Grant et al	
	AC	US -5629928A	05/13/1997	Jean Calvignac et al	
	AD	US -5742772A	04/21/1998	Cormac J. Sreenan	
	AE	US -5831971A	11/03/1998	Flavio Bonomi et al	
	AF	US -5844890A	12/01/1998	Gary Scott Delp et al	
	AG	US -5850399A	12/15/1998	Mahesh Ganmukhi et al	
	AH	US -5926459A	07/20/1999	J. Bryan Lyles et al	
	AI	US -5926481A	07/20/1999	Chi-Lung Wang et al	
	AJ	US - 5946297A	08/31/1999	Jean Calvignac et al	
	AK	US - 5999963A	12/07/1999	John Louis Bruno et al	
	AL	US - 6014367A	01/11/2000	Alexander Joffe	
BSR	AM	US - 6018527A	01/25/2000	Nanying Yin et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
BSR	AN	EP0859492A2	08/19/1998	Duffield et al		X
	AO	EP0957602A2	11/17/1999	Darrin Nagy		X
	AP	EP0989770A1	03/29/2000	Chugo et al		X
	AQ	EP1049352A2	11/02/2000	Goudreau et al		X
	AR	EP1061763A2	12/20/2000	Cavendish et al		X
	AS	JP2000183886A	06/30/2000	Yamashita	Abstract Only	
	AT	JP2000295247A	10/20/2000	Goudoruu et al	Abstract Only	
BSR	AU	JP2001007822A	12/20/2000	Cavendish et al	Abstract Only	

Examiner Signature	<u>Brian Roberts</u>	Date Considered	<u>06/28/05</u>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTSheet 2 of 4

Application Number.: 10/004,373  
 Filing Date: November 1, 2001  
 First Named Inventor: William Goetzinger  
 Art Unit: 2661-2662  
 Examiner Name: Unassigned  
 Attorney Docket Number.: ROC920010203US1

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published.	T <sup>2</sup>
BSR	AV	U.S. Patent Application Serial No. 10/102,166 filed March 20, 2002, "Method and Apparatus for Improving the Fairness of New	
		Attaches to a Weighted Fair Queue in a Quality of Service (QoS) Scheduler"	
BSR	AW	Abstract of Publication entitled "Design of packet-fair queuing schedulers using a RAM-based searching engine"	
		by HJ Chao et al, IEEE Journal on Selected Areas in Communications, Vol. 17, No. 6, pp. 1105-1126, June 1999	

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Examiner Signature	<u>Brian Robert</u>	Date Considered	<u>06/28/05</u>
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<sup>2</sup> Applicant is to place a check mark here if English language translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**
Sheet 3 of 4

Application Number.: 10/004,373  
 Filing Date: November 1, 2001  
 First Named Inventor: William Goetzinger  
 Art Unit: 2661-2662  
 Examiner Name: Unassigned  
 Attorney Docket Number.: ROC920010203US1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
BSR	BA	US -6028842A	02/22/2000	Alan Chapman et al	
	BB	US -6028843A	02/22/2000	Gary Delp et al	
	BC	US -6031822A	02/28/2000	Eugen Wallmeier	
	BD	US -6038217A	03/14/2000	J. Bryan Lyles	
	BE	US -6041059A	03/21/2000	Alexander Ioffe et al	
	BF	US -6064650A	05/16/2000	Christopher Kappler et al	
	BG	US -6064677A	05/16/2000	Christopher Kappler et al	
	BH	US -6072772A	06/06/2000	Anna Charny et al	
	BI	US -6072800A	06/06/2000	Duan-Shin Lee	
BSR	BI	US -6081507A	06/27/2000	Hung-Hsiang Chao et al	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
BSR	BK	WO99/35792A1	07/15/1999	Anna Charny et al		X
	BL	WO99/53647A2	10/21/1999	Nigel T. Poole et al		X
	BM	WO99/53648A2	10/21/1999	Cary B. Robins et al		X
BSR	BN	WO01/20876A1	03/22/2001	Kent D. Benson et al		X

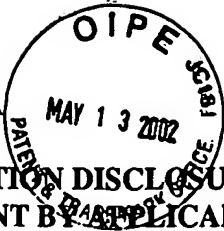
Examiner Signature	<u>Brian Roberts</u>	Date Considered	<u>06/28/05</u>
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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**
Sheet 4 of 4

Application Number.: 10/004,373  
 Filing Date: November 1, 2001  
 First Named Inventor: William Goetzinger  
 Art Unit: 2661-2662  
 Examiner Name: Unassigned  
 Attorney Docket Number.: ROC920010203US1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
BSR	CA	US -6092115A	07/18/2000	Abhijit Choudhury et al	
	CB	US -6094435A	07/25/2000	Don Hoffman et al	
	CC	US -6101193A	08/08/2000	Yoshihiro Ohba	
	CD	US -6108307A	08/22/2000	Stephen McConnell et al	
	CE	US -6122673A	09/19/2000	Debashis Basak et al	
	CF	US -6144669A	11/07/2000	Stephen J. Williams et al	
	CG	US -6157614A	12/05/2000	Eliezer Pasternak et al	
	CH	US -6157649A	12/05/2000	Kenneth Peirce et al	
	CI	US -6157654A	12/05/2000	Tom Davis	
	CJ	US -6169740B1	01/02/2001	Todd D. Morris et al	
	CK	US -6188698B1	02/13/2001	Claude Galand et al	
	CL	US -6226267B1	05/01/2001	Barry A. Spinney et al	
	CM	US -6229812B1	05/08/2001	Bidyut Parruck et al	
	CN	US -6229813B1	05/08/2001	Steven W. Buchko et al	
BSR	CO	US -6236647B1	05/22/2001	Carlo Amalfitano	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>

Examiner Signature

Brian Rbert

Date Considered

06/28/05

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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

DOCKET NUMBER (OPTIONAL)

ROC920010203US1

APPLICATION NUMBER

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT

GOETZINGER et al.

FILING DATE

Herewith

GROUP ART UNIT

2662

10/004373

11/01/01

## U.S. PATENT DOCUMENTS

*Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BSR	AA	5,490,141		Lai et al.	—	—	
I	AB	6,078,953		Vaid et al.	—	—	
BSR	AC	6,104,700		Haddock et al.	—	—	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

Brian Roberts

DATE CONSIDERED

06/28/05

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT  
JUN 10 2002  
PATENT OFFICE  
R. PRIOR, ATTORNEY-IN-FACT

Application Number.: 10/004,373  
Filing Date: November 1, 2001  
First Named Inventor: William Goetzinger  
Art Unit: 2661  
Examiner Name: Unassigned  
Attorney Docket Number.: ROC920010203US1

**OTHER PRIORITY - NON PATENT LITERATURE DOCUMENTS**

[illegible]

Examiner Signature	Brian Roberts	Date Considered	06/28/05
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